

# ECE57000 Lecture 1: Course Overview

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## EMERGENCY PREPAREDNESS LECTURE

Prior to the first day of class, obtain a copy of the building emergency plan for each building in which you will be teaching. Note the evacuation route and assembly area, as well as the shelter in place locations. BEPs are located on the Emergency Preparedness website

[http://www.purdue.edu/ehps/emergency\\_preparedness/](http://www.purdue.edu/ehps/emergency_preparedness/)

## EMERGENCY PREPAREDNESS LECTURE

On the first day of class, the following information is required to be presented to students:

As we begin this semester I want to take a few minutes and discuss emergency preparedness. Purdue University is a very safe campus and there is a low probability that a serious incident will occur here at Purdue. However, just as we receive a “safety briefing” each time we get on an aircraft, we want to emphasize our emergency procedures for evacuation and shelter in place incidents. Our preparedness will be critical IF an unexpected event occurs! Emergency preparedness is your personal responsibility. Purdue University is actively preparing for natural disasters or human-caused incidents with the ultimate goal of maintaining a safe and secure campus. Let’s review the following procedures:

## EMERGENCY PREPAREDNESS LECTURE

- ▶ For any emergency call 911.
- ▶ There are nearly 300 Emergency Telephone Systems throughout campus that connect directly to the Purdue Police Department (PUPD). If you feel threatened or need help, push the button and you will be connected to the PUPD.
- ▶ If we hear a fire alarm we will immediately evacuate the building and proceed to \_\_\_\_\_ (location).
  - ▶ Do not use the elevator.
  - ▶ Go over evacuation route...see specific Building Emergency Plan.
- ▶ If we are notified of a Shelter in Place requirement for a tornado warning we will shelter in the lowest level of this building away from windows and doors. Our preferred location is \_\_\_\_\_.
- ▶ If we are notified of a Shelter in Place requirement for a hazardous materials release we will shelter in our classroom shutting any open doors and windows.
- ▶ If we are notified of a Shelter in Place requirement for an active threat such as a shooting we will shelter in a room that is securable preferably without windows. Our preferred location is \_\_\_\_\_.

## EMERGENCY PREPAREDNESS LECTURE

(NOTE: Each building will have different evacuation & shelter locations. The specific Building Emergency Plan will provide specific locations and procedures) Attached to the syllabus is an “Emergency Preparedness for Classrooms” sheet that provides additional preparedness information. Please review the sheet and the Emergency Preparedness website for additional emergency preparedness information.

## **EMERGENCY PREPAREDNESS SYLLABUS ATTACHMENT**

EMERGENCY NOTIFICATION PROCEDURES are based on a simple concept - if you hear a fire alarm inside, proceed outside. If you hear a siren outside, proceed inside.

## EMERGENCY PREPAREDNESS SYLLABUS ATTACHMENT

- ▶ Indoor Fire Alarms mean to stop class or research and immediately evacuate the building.
  - ▶ Proceed to your Emergency Assembly Area away from building doors. Remain outside until police, fire, or other emergency response personnel provide additional guidance or tell you it is safe to leave.
- ▶ All Hazards Outdoor Emergency Warning Sirens mean to immediately seek shelter (Shelter in Place) in a safe location within the closest building.
  - ▶ “Shelter in place” means seeking immediate shelter inside a building or University residence. This course of action may need to be taken during a tornado, an active threat including a shooting or release of hazardous materials in the outside air. Once safely inside, find out more details about the emergency\*. Remain in place until police, fire, or other emergency response personnel provide additional guidance or tell you it is safe to leave.
- ▶ In both cases, you should seek additional clarifying information by all means possible...Purdue Emergency Status page, text message, Twitter, Desktop Alert, Albertus Beacon, digital signs, email alert, TV, radio, etc....review the Purdue Emergency Warning Notification System multi-communication layers at [http://www.purdue.edu/ehps/emergency\\_preparedness/warning-system.html](http://www.purdue.edu/ehps/emergency_preparedness/warning-system.html)

## EMERGENCY RESPONSE PROCEDURES

- ▶ Review the Emergency Procedures Guidelines [https://www.purdue.edu/emergency\\_preparedness/flipchart/index.html](https://www.purdue.edu/emergency_preparedness/flipchart/index.html)
- ▶ Review the Building Emergency Plan (available on the Emergency Preparedness website or from the building deputy) for:
  - ▶ evacuation routes, exit points, and emergency assembly area
  - ▶ when and how to evacuate the building.
  - ▶ shelter in place procedures and locations
- ▶ additional building specific procedures and requirements.



## EMERGENCY PREPAREDNESS AWARENESS VIDEOS

“Run. Hide. Fight.(r)” is a 6-minute active shooter awareness video that illustrates what to look for and how to prepare and react to this type of incident. See:

[https://www.youtube.com/watch?v=5mzI\\_5aj4Vs](https://www.youtube.com/watch?v=5mzI_5aj4Vs)

(Link is also located on the EP website)

### MORE INFORMATION

Reference the Emergency Preparedness web site for additional information:

[https://www.purdue.edu/ehps/emergency\\_preparedness/](https://www.purdue.edu/ehps/emergency_preparedness/)

## EMERGENCY PREPAREDNESS

To report an emergency, call 911. To obtain updates regarding an ongoing emergency, sign up for Purdue Alert text messages, view [www.purdue.edu/ea](http://www.purdue.edu/ea).

There are nearly 300 Emergency Telephones outdoors across campus and in parking garages that connect directly to the PUPD. If you feel threatened or need help, push the button and you will be connected immediately.

If we hear a fire alarm during class we will immediately suspend class, evacuate the building, and proceed outdoors. Do not use the elevator.

If we are notified during class of a Shelter in Place requirement for a tornado warning, we will suspend class and shelter in [the basement].

If we are notified during class of a Shelter in Place requirement for a hazardous materials release, or a civil disturbance, including a shooting or other use of weapons, we will suspend class and shelter in the classroom, shutting the door and turning off the lights.

Please review the Emergency Preparedness website for additional information.

[http://www.purdue.edu/ehrs/emergency\\_preparedness/index.html](http://www.purdue.edu/ehrs/emergency_preparedness/index.html)

# Course Overview—X

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances. Such changes will be announced to the course email mailing list.

# Course Overview—XI

- ▶ What course this is.
- ▶ When and where it meets.
- ▶ The course staff.
- ▶ Who am I.
- ▶ My office hours, office, email, phone.
- ▶ I've taught this course thirty eight times before.

# Course Overview—XII

- ▶ nearest neighbor classifiers
- ▶ k-means clustering
- ▶ the EM algorithm
- ▶ hidden Markov models
- ▶ the Viterbi algorithm
- ▶ the forward/backward algorithm
- ▶ the Baum-Welch reestimation procedure
- ▶ probabilistic context-free grammars
- ▶ forward and reverse mode automatic Differentiation
- ▶ neural networks
- ▶ multilayer perceptrons
- ▶ backpropagation
- ▶ convolutional neural networks
- ▶ object classification
- ▶ object detection
- ▶ recurrent neural networks
- ▶ LSTMs
- ▶ image captioning
- ▶ deep reinforcement learning

# Course Overview—XIII

- ▶ Course texts
- ▶ <http://engineering.purdue.edu/~ee570>
- ▶ Attend every lecture
- ▶ Prerequisites
- ▶ Computer accounts
- ▶ Course software
- ▶ Problem sets
- ▶ Grading
- ▶ Collaboration

# Course Overview—XIV

## ▶ Communication

### 1 Class

2 <http://engineering.purdue.edu/~ee570>

### 3 Email

- ▶ [ee570-staff-list@ecn.purdue.edu](mailto:ee570-staff-list@ecn.purdue.edu),
- ▶ [ee570-students-list@ecn.purdue.edu](mailto:ee570-students-list@ecn.purdue.edu)

### 4 Office hours

### 5 Phone

### 6 Openness Policy